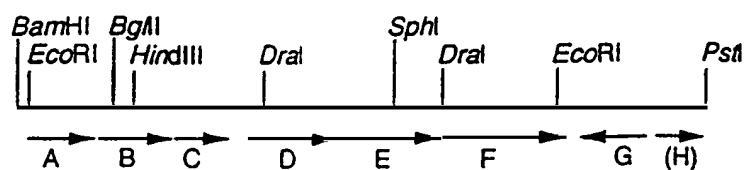
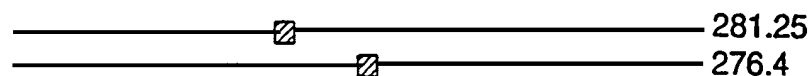


(A) Lipooligosaccharide synthesis genes (*lsg*)



(B) Transposon inserts



(C) Chimeric-transformants

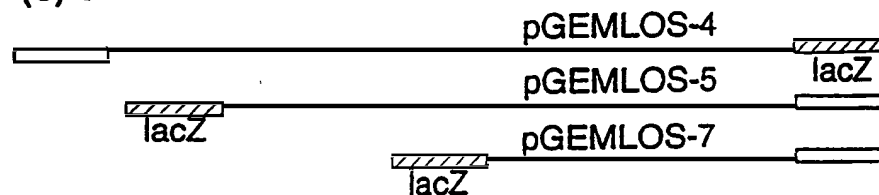
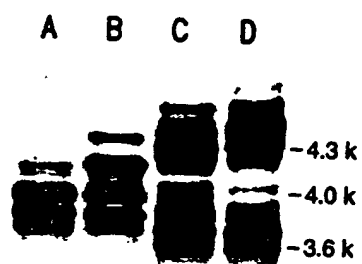


FIG. 1



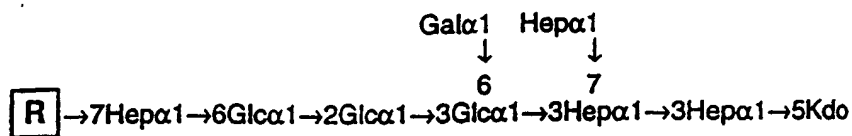
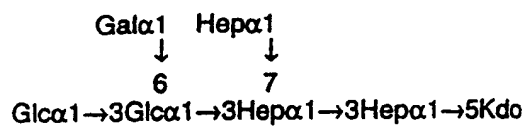
A=pGEM  
B=pGEMLOS-7  
C=pGEMLOS-5  
D=pGEMLOS-4

FIG. 2

04991374-11601  
T09777 " 42660

*E. coli* r-LPS

pGEM



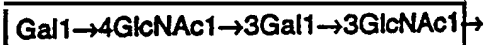
Chimeric LPS

R =

pGEMLOS-7



pGEMLOS-5



pGEMLOS-4



FIG. 3